1st Annual Student Paper Awards

Overview of Student Paper Awards

ARRL and TAPR especially welcome papers from full time students to compete for the first annual student papers award. **Two $500 travel awards** will be given, one in each of the following categories: a) best technical/theory-oriented paper by a student, and b) best educational or community-oriented application paper by a student. The paper should relate directly to a wireless digital communications topic. Papers co-authored by educators or telecommunications professionals are also eligible for this award, as long as the student is first author and has taken the primary role in developing the content. First year awards have been funded through a grant by The ARRL Foundation, Inc.

About the Conference

The 1996 ARRL and TAPR Digital Communications Conference will be held September 20-22, 1996, in Seattle, Washington — just minutes from the SeaTac Airport. Local sponsors include the Puget Sound Amateur Radio TCP/IP Group and Boeing Employees Amateur Radio Society (BEARS). The ARRL and TAPR Digital Communications Conference is an international forum for radio amateurs and experts in digital communications, networking, and related technologies to meet, publish their work, and present new ideas and techniques for discussion. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. This year marks the first year in which the ARRL Digital Communications Conference and TAPR Annual General Meeting have joined into one conference! See the advanced registration form for more details as well as http://www.tapr.org

Submission Deadline

Deadline for receipt of finished student paper manuscript is June 11, 1996 and should be submitted to **TAPR, 1418 Ridgecrest, Denton, Texas 76205.** Full details are also available on **http://www.tapr.org**. Please note that this deadline is earlier than the general conference submission date. Also note that the manuscript must be received no later than June 11, 1996.

Suggested Topics

A wide range of topics related to wireless digital communications is encouraged. Papers should generally be of strong interest to the amateur radio community.

Technical/theory papers might cover topics such as spread-spectrum communications, mobile communication protocols, 56 Kbs line-of-sight hardware/software, amateur frequency-to-Internet gateways, digital video applications and other technical topics.

Education/community-oriented papers might describe a classroom's use of packet radio to augment traditional curricular activities, BBS-based technical support provided by veteran amateurs, elderly-student digital exchanges, or university or community club activities. These papers will typically include a description of the technology used, but the focus should be on the communication activities rather than the technology itself.

Note that for both categories, papers from teachers and community professionals who are themselves university students are welcome, as are papers from pre-university students (high school, junior high, etc). In the latter case, papers co-authored by teachers who served as mentors on digital communications projects would be especially appropriate.

Review and Publication Process

Each paper will be reviewed by two professionals in the field who are well versed in scholarly publication. A third reviewer will be utilized if necessary. All papers selected for publication in the proceedings will also be invited for presentation during the student-paper session at the conference. Award winners may also be asked to present their papers during the main conference session. It is anticipated that the review procedure will be completed by mid July 1996.

Review Criteria

Student papers will be rated in the following major categories.

- Technical quality and significance
- Originality
- Readability and organization
- Relevance to the Conference

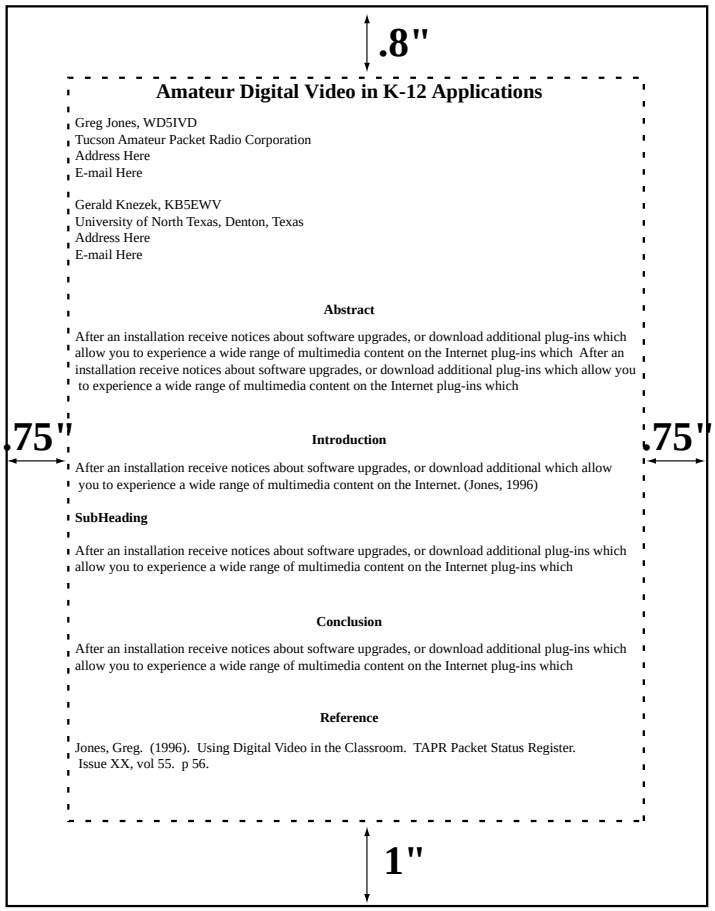
Additional review criterion will include questions such as:

- Is the length adequate?
- Are the references sufficient?
- Is the abstract a good summary of the paper?

Also please note that the potential applicability of the student's work to the amateur radio service will also be a criterion examined in the review process?

Manuscript Guidelines

1. Five pages maximum, including tables and references.
2. Structure of paper should be (see example right)
   Title
   Author(s) with affiliation
   Abstract
   Key words (3-5)
   Body
   Reference List
3. Papers should be on 8-1/2 X 11 inch paper with the following margins: left and right, 0.75 inch; top, 0.8 inch; and bottom, 1 inch (very important).
4. Photos should have good contrast and should not be pasted to the page. Leave a space noting what goes there, and mark the photo appropriately. Drawings should be dark, either computer generated or hand drawn. A photocopy gives a good indication of print quality.
5. Cite acknowledgments and credits as footnote to first page.
6. Single space paragraphs, skip blank line between paragraphs.
7. Center main headings (Abstract, Introduction, Conclusions, References, etc.)
8. Block left subheadings.
9. Use 12-point Times Roman for the main body of text; do not number pages.
10. Reference citations and other topics not explicitly discussed in this list should follow a recognized standard format (APA, IEEE, etc).
11. One original should be submitted camera ready, with tables and figures included at the proper locations in the text.
12. Three other copies should be submitted for review purposes. These should have any art or photos copied onto the pages.
13. Manuscripts should not have been previously published.
14. A formal release form is not required, but indicate that the paper is being sent for use in the Proceedings of the 15th ARRL and TAPR Digital Communications Conference. You are only giving permission for your paper to be printed in the Proceedings. Additional clearance would be required before your work could be printed in any other publication.
15. Publication in proceedings will not prohibit publication in a journal or other scholarly forums selected by the author(s) (the latter is encouraged).
16. A biographical page is to be included with the manuscript submission. It should contain Name, Address, Phone, and E-mail for each author as well as a short descriptive paragraph about the first author. The bio page will be used to contact authors concerning the conference and the travel awards upon selection.
17. A photocopy of the student's ID must be submitted along with the manuscript.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Amateur Digital Video in K-12 Applications
Greg Jones, WD5IVD
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University of North Texas, Denton, Texas
Address Here
E-mail Here
Abstract
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Conclusion
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Reference
Jones, Greg. (1996). Using Digital Video in the Classroom. TAPR Packet Status Register. Issue XX, vol 55. p 56.
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